Synoptic.

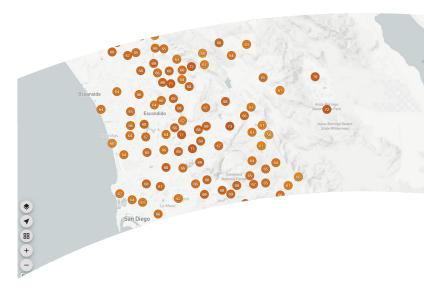## Synoptic Data
Solutions for Utilities

Empowering Data-Driven Operational Decisions

Utility companies need access to real-time weather data to prepare and respond to incidents in a timely manner. Real-time weather data supports decision making and situational awareness. Historical data is also important for infrastructure planning and outage predictions.

Many utilities are relying on Synoptic Data's robust and scalable Weather API and Dashboards and Notifications tools as part of their operations. Our platform includes historical and real-time observations from hundreds of weather networks, which help utilities develop and improve:

- Outage prediction models
- Estimated time of restoration
- Demand and generation estimates

Comprehensive Data

Synoptic operates the world's largest real-time weather and environmental data platform. Whether you are managing wildfire risks, flooding, severe storms, or heat stress, access to weather information empowers decision-making and improves organizational efficiency. Our data platform includes:

Comprehensive Data: Data from over 320 observing networks.

Weather Variables: Over 160 weather and environmental variables.

Weather Stations: Over 150,000 weather stations around the world, including many utility and local networks.

Synoptic.

Why Choose Synoptic?

Improve Situational Awareness
- Monitor outages better with real-time weather conditions and stay informed about the location and timing of potential impacts.
- Leverage historical data to identify vulnerable points in the grid that may require reinforcement due to frequent storms.

Infrastructure and Resource Planning
- Protect assets and infrastructure and ensure employee safety with real-time quality controlled weather observations
- Set up notifications for weather conditions and get better visibility into staffing and resource planning

Data Integration
- Integrate real-time, in-situ weather and environmental observations into your own apps and dashboards
- Host your weather network on the Synoptic platform and view your data alongside other networks

Make Proactive Decisions

Save Time & Resources

Improve Operations

Our Services

WEATHER API
- Access tens of thousands of stations using our RESTful API or Push Streaming Services
- Low-latency, real-time weather and environmental data
- Advanced quality control checks
- 99.99% uptime guarantee

DATA VIEWER
- Create custom dashboards and set up notifications for alerting staff when conditions deteriorate
- Quickly and easily see which stations are in "alert"
- Track conditions and take proactive measures for safety and operations
- Monitor station assets

VALUE-ADDS
- Precipitation Service that organizes data into a uniform format, ensuring consistency and comparability over the time frame needed
- Data Hosting for your weather network allowing you to share data publicly or keep it restricted
- Quality Control Services to ensure accurate and reliable data